

Flood Control Project Maintenance**2011 Structure Summary Report****Overall Unit and Item Ratings****DWR Sacramento Maintenance Yard****Cache Creek Setting Basin Weir And Drainage Structure**

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	A
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	N
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A

Fremont Weir

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A

Flood Control Project Maintenance
2011 Structure Summary Report
Overall Unit and Item Ratings

DWR Sacramento Maintenance Yard (cont.)

Knights Landing Outfall Structure

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	N
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	A
	Sluice/Slide Gates	N
	Electric Gate Operators	M
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	N
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	M
	Monolith Joints	N
	Safety	A

Paradise Dam

Overall Unit Rating	Rated Item	Item Rating
M	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	N
	Concrete Tilting / Settlement	N
	Concrete Foundations	N
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	M

Flood Control Project Maintenance
2011 Structure Summary Report
Overall Unit and Item Ratings

DWR Sacramento Maintenance Yard (cont.)

Sacramento Weir

Overall Unit Rating	Rated Item	Item Rating
A	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	N
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	M
	Concrete Tilting / Settlement	N
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	N
	Safety	A

Flood Control Project Maintenance**Unit Cover Sheet****2011 Structure Inspection Results****DWR Sacramento Maintenance Yard**

Structure
Cache Creek Setting Basin Weir And Drainage Structure

Structure Rating	A
Date of Inspection	7/28/2011
DWR Inspector	John Williamson
Accompanied By	Jay Pettigrew Plumas

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

DWR Sacramento Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Cache Creek Setting Basin Weir And Drainage Structure							07/28/2011 07/28/2011	John Williamson

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Structures	Photo Documentation			Inspector Comments: Intake structure, gates and out flow coordinates 38.67848, -121.67294. South end of Cache Weir: 38.68246, -121.67293. North end of cache Weir: 38.68735, -121.67374. All GPS readings are from the top of levee.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No Trash, debris, excavation, structures, or other obstructions present within the project easement area.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		A	Inspector Comments: There is little or no debris, sediment or vegetation blocking the culverts, inlets, sump or discharge areas. The channel capacity for designed flow is not affected.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: This item does not apply to this inspection.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not apply to this inspection.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	9
10	0.00	0.00	Structures	Trash Racks		A	Inspector Comments: Trash racks are fastened in place and properly maintained.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not apply to this inspection.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: This item does not apply to this inspection.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	12

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

DWR Sacramento Maintenance Yard

Structure							Structure Length	Inspection Start/End	Inspector	
Cache Creek Setting Basin Weir And Drainage Structure								07/28/2011 07/28/2011	John Williamson	
LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	13
14	0.00	0.00	Structures	Manual Gate Operators		A	Inspector Comments: The gates are tested once a year with safety and dams.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	14
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: Negligible spalling, scaling or cracking.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		N	Inspector Comments: This item does not apply to this inspection.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No scouring / erosion or undermining near the structure.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	17
18	0.00	0.00	Structures	Security Fencing		A	Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	18
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: This item does not apply to this inspection.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not apply to this inspection.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: This item does not apply to this inspection.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	21
22	0.00	0.00	Structures	Monolith Joints		N	Inspector Comments: This item does not apply to this inspection.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure exist.	38.682460 ° -121.672930 °	38.687350 ° -121.673740 °	23

*** Location**

LS : Land Side
WS : Water Side
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**** Rating**

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CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Setting Basin Weir And Drainage Structure		07/28/2011 07/28/2011	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

The photo was taken from the top of the levee on the north side.

johngw_t_20110727_011.jpg



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

The photo was taken from the top of the levee on the south side.

johngw_t_20110727_012.jpg



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

The backside of the low flow intake structure.

johngw_t_20110727_013.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Cache Creek Setting Basin Weir And Drainage Structure		07/28/2011 07/28/2011	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

The control structure with the manual gates for the low flow structure.

johngw_t_20110727_014.jpg



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

The outlet for the low flow structure.

johngw_t_20110727_015.jpg



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Flood Control Project Maintenance**Unit Cover Sheet****2011 Structure Inspection Results****DWR Sacramento Maintenance Yard**

Structure
Fremont Weir

Structure Rating	A
Date of Inspection	7/26/2011
DWR Inspector	John Williamson
Accompanied By	Jay Pettigrew Plumas Co.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

DWR Sacramento Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Fremont Weir							07/26/2011 07/26/2011	John Williamson

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Structures	Photo Documentation			Inspector Comments: West end of Weir: 38.75888,-121.66538. Fish Ladder at center of weir:38.76431 -121.64669. East end of Weir: 38.76468,-121.63543	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No Trash, debris, excavation, structures, or other obstructions present within the project easement area.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: This item does not apply to this inspection.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: This item does not apply to this inspection.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not apply to this inspection.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not apply to this inspection.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not apply to this inspection.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: This item does not apply to this inspection.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	13

*** Location**

LS : Land Side
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CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

DWR Sacramento Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Fremont Weir							07/26/2011 07/26/2011	John Williamson

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	14
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: Crack runs from the top to the bottom on the downstream side at the West end of the weir. It appears to be about 1" at the top an 1/2" near the bottom. This does not effect the function of the weir. It is minor but needs to be repaired. (see photo in photo documation)	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A	Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No scouring / erosion or undermining near the structure.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	17
18	0.00	0.00	Structures	Security Fencing		A	Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	18
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: This item does not apply to this inspection.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not apply to this inspection.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: This item does not apply to this inspection.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	21
22	0.00	0.00	Structures	Monolith Joints		A	Inspector Comments: The monolith joint material is in good condition.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: No hazardous conditions that might affect the operation of the structure exist.	38.758880 ° -121.665380 °	38.764680 ° -121.635430 °	23

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		07/26/2011 07/26/2011	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This view is from the West end of Fremont Weir.

Johngw_t_20110726_001.jpg



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This is looking East at the fish ladder. There are some minor vegetation in the cracks through the weir.

Johngw_t_20110726_003.jpg



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This is looking West at the fish ladder.

Johngw_t_20110726_004.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Fremont Weir		07/26/2011 07/26/2011	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

The concrete beams across the fish ladder shows rebar.

Johngw_t_20110726_005.jpg



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

The view is from the East end of Fremont Weir.

Johngw_t_20110726_006.jpg



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

The photo is of the crack in the West end abutment. It does not effect the function of the weir. The crack is about 1" wide at the top. It does need to be repaired.

johngw_t_20110822_007.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

Flood Control Project Maintenance**Unit Cover Sheet****2011 Structure Inspection Results****DWR Sacramento Maintenance Yard**

Structure
Knights Landing Outfall Structure

Structure Rating	A
Date of Inspection	7/26/2011
DWR Inspector	John Williamson
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

DWR Sacramento Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure							07/26/2011 07/26/2011	John Williamson

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Structures	Photo Documentation			Inspector Comments: North end of structure: 38.79956, -121.72553. South end of structure: 38.79932, -121.72485. All GPS readings are on the top of the levee at the gates.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	4
5	0.00	0.00	Structures	Revetments		N	Inspector Comments: This item does not apply to this inspection.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No Trash, debris, excavation, structures, or other obstructions present within the project easement area.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: This item does not apply to this inspection.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: This item does not apply to this inspection.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not apply to this inspection.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not apply to the inspection.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	10
11	0.00	0.00	Structures	Flap Gates		A	Inspector Comments: The structure is still scheduled for up grade.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: This item does not apply to this inspection.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	12

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

DWR Sacramento Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure							07/26/2011 07/26/2011	John Williamson

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
13	0.00	0.00	Structures	Electric Gate Operators		M	Inspector Comments: The structure is still scheduled for up grade. All electric gates operators and operational with minor deficiencies but should perform through the next period.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	13
14	0.00	0.00	Structures	Manual Gate Operators		A	Inspector Comments: The structure is still scheduled for up grade. One gate stem was damaged during last winter and was being replaced the day of the inspection.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	14
15	0.00	0.00	Structures	Concrete Surfaces		A	Inspector Comments: There is a vertical crack on the Northside about 1/2" in width it has not changed from last year. Continue to monitor and repair as necessary. A very small vertical crack at South side continue to monitor it.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		N	Inspector Comments: This item does not apply to this inspection.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No scouring / erosion or undermining near the structure.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	17
18	0.00	0.00	Structures	Security Fencing		A	Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	18
19	0.00	0.00	Structures	Closure Structures		A	Inspector Comments: Closure structure in good repair. Placing equipment, stoplogs, and other materials are readily available at all times. Components of closure clearly marked and installation instructions / procedures readily available.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not apply to this inspection.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	20
21	0.00	0.00	Structures	Other Metallic Items		M	Inspector Comments: Corrosion seen on metallic parts (except equipment anchors) appears maintainable.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	21
22	0.00	0.00	Structures	Monolith Joints		N	Inspector Comments: This item does not apply to this inspection.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure exist.	38.799560 ° -121.725530 °	38.799320 ° -121.724850 °	23

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure		07/26/2011 07/26/2011	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

The photo was taken from the north levee.

johngw_t_20110727_007.jpg



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

The crack at the north end of the structure has not changed from last year. Continue to monitor the crack and repair as necessary.

johngw_t_20110727_008.jpg



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

The photo was taken from the south levee. This is a view of the inlet side of the structure.

johngw_t_20110727_009.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Knights Landing Outfall Structure		07/26/2011 07/26/2011	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

The photo is from the south levee.

johngw_t_20110727_010.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

Flood Control Project Maintenance**Unit Cover Sheet****2011 Structure Inspection Results****DWR Sacramento Maintenance Yard**

Structure
Paradise Dam

Structure Rating	M
Date of Inspection	7/28/2011
DWR Inspector	John Williamson
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

DWR Sacramento Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Paradise Dam							07/28/2011 07/28/2011	John Williamson

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Structures	Photo Documentation			Inspector Comments: GPS point taken on the levee, right bank of structure: 37.760584, -121.30945	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		M	Inspector Comments: Vegetation growth (such as dense vegetation (willows) obstructions block the front side (San Joaquin River) of the FCW.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No shoaling or sedimentation present.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	4
5	0.00	0.00	Structures	Revetments		A	Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No Trash, debris, excavation, structures, or other obstructions present within the project easement area.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	13

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

DWR Sacramento Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Paradise Dam							07/28/2011 07/28/2011	John Williamson

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	14
15	0.00	0.00	Structures	Concrete Surfaces		N	Inspector Comments: This item does not apply to the inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	16
17	0.00	0.00	Structures	Concrete Foundations		N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	17
18	0.00	0.00	Structures	Security Fencing		N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	18
19	0.00	0.00	Structures	Closure Structures		N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	20
21	0.00	0.00	Structures	Other Metallic Items		N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	21
22	0.00	0.00	Structures	Monolith Joints		N	Inspector Comments: This item does not apply to this inspection.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	22
23	0.00	0.00	Structures	Safety		M	Inspector Comments: Minor safety hazards are present, but do not pose an immediate threat to the structure or personnel at the structure.	37.760584 ° -121.309450 °	37.760584 ° -121.309450 °	23

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Paradise Dam		07/28/2011 07/28/2011	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

The photo was taken from the right back of the dam.

johngw_t_20110728_019.jpg



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

The photo shows the willows that grow right up to the face of the dam.

johngw_t_20110728_020.jpg



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This the view from the San Joaquin River looking towards the dam. With the height of the willows you cannot see the dam.

johngw_t_20110728_021.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Paradise Dam		07/28/2011 07/28/2011	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

The photo is from the left bank of the dam.

johngw_t_20110728_022.jpg



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

Cable inbedded into the concrete that use to go around the piles.

johngw_t_20110728_023.jpg



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

More cable and piles that could be a safety hazard.

johngw_t_20110728_024.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

Flood Control Project Maintenance**Unit Cover Sheet****2011 Structure Inspection Results****DWR Sacramento Maintenance Yard**

Structure
Sacramento Weir

Structure Rating	A
Date of Inspection	7/27/2011
DWR Inspector	John Williamson
Accompanied By	Paul Casillas DWR Sutter Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		07/27/2011 07/27/2011	John Williamson

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	0.00	Structures	Photo Documentation			Inspector Comments: North end of Sacramento Weir: 38.60712, -121.56010. South end of Sacramento Weir: 38.60285, -121.55579.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	1 Y
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A	Inspector Comments: No sedimentation present.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A	Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the structure.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	4
5	0.00	0.00	Structures	Revetments		N	Inspector Comments: This item does not apply to this inspection.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	5
6	0.00	0.00	Structures	Encroachments		A	Inspector Comments: No Trash, debris, excavation, structures, or other obstructions present within the project easement area.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		N	Inspector Comments: This item does not apply to this inspection.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N	Inspector Comments: This item does not apply to this inspection.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	8
9	0.00	0.00	Structures	Metal Pipes		N	Inspector Comments: This item does not apply to this inspection.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	9
10	0.00	0.00	Structures	Trash Racks		N	Inspector Comments: This item does not apply to this inspection.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	10
11	0.00	0.00	Structures	Flap Gates		N	Inspector Comments: This item does not apply to this inspection.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	11
12	0.00	0.00	Structures	Sluice/Slide Gates		N	Inspector Comments: This item does not apply to this inspection.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	12
13	0.00	0.00	Structures	Electric Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	13

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

DWR Sacramento Maintenance Yard

Structure						Structure Length	Inspection Start/End	Inspector
Sacramento Weir							07/27/2011 07/27/2011	John Williamson

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
14	0.00	0.00	Structures	Manual Gate Operators		N	Inspector Comments: This item does not apply to this inspection.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	14
15	0.00	0.00	Structures	Concrete Surfaces		M	Inspector Comments: Spalling, scaling, and open cracking present, but the immediate integrity or performance of the structure is not threatened. Reinforcing steel is exposed. Sacramento Maintenance has done a great job in repairing the concrete surfaces. Some minor repairs are left to be done (see photos).	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		N	Inspector Comments: This item does not apply to this inspection.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	16
17	0.00	0.00	Structures	Concrete Foundations		A	Inspector Comments: No scouring / erosion or undermining near the structure.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	17
18	0.00	0.00	Structures	Security Fencing		A	Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	18
19	0.00	0.00	Structures	Closure Structures		A	Inspector Comments: Closure structure in good repair.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	19
20	0.00	0.00	Structures	Trash Rakes		N	Inspector Comments: This item does not apply to this inspection.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	20
21	0.00	0.00	Structures	Other Metallic Items		A	Inspector Comments: All metal parts are protected from corrosion damage, and show no rust or deterioration that would cause a safety concern.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	21
22	0.00	0.00	Structures	Monolith Joints		N	Inspector Comments: This item does not apply to this inspection.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	22
23	0.00	0.00	Structures	Safety		A	Inspector Comments: All safety equipment is stored at Sacramento Maintenance.	38.607120 ° -121.560100 °	38.607120 ° -121.560100 °	23

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2011

DWR Sacramento Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sacramento Weir		07/27/2011 07/27/2011	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This is in bay 1 out flow side of the defuser.

johngw_t_20110727_016.jpg



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This in bay 3 minor damage to be repaired.

johngw_t_20110727_017.jpg



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation

This is bay 14 out flow side of the defuser.

johngw_t_20110727_018.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected, see Inspector Comment

C : Corrected